504388335 05/30/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ASHOT NSHAN HARUTYUNYAN	05/25/2017
ARNAK POGHOSYAN	05/25/2017
NAIRA MOVSES GRIGORYAN	05/25/2017
NICHOLAS KUSHMERICK	05/26/2017
HARUTYUN BEYBUTYAN	05/25/2017

RECEIVING PARTY DATA

Name:	VMWARE, INC.
Street Address:	3401 HILLVIEW AVENUE
Internal Address:	DAVE PLETTNER - 650.427.1063
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94304

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15607944	

CORRESPONDENCE DATA

Fax Number: (650)427-4818

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 650.427.203

Email: ipadmin@vmware.com

Correspondent Name: VMWARE, INC.

Address Line 1: 3401 HILLVIEW AVENUE

Address Line 2: DAVE PLETTNER - 650.427.1063
Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	D578
NAME OF SUBMITTER:	RICHARD L. BELL
SIGNATURE:	/Richard L. Bell/
DATE SIGNED:	05/30/2017

PATENT 504388335 REEL: 042528 FRAME: 0356

Total Attachments: 4

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PATENT REEL: 042528 FRAME: 0357

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Ashot Nshan HARUTYUNYAN Arnak POGHOSYAN	of	Yerevan, AM Yerevan, AM
Naira Movses GRIGORYAN Nicholas KUSHMERICK Harutyun BEYBUTYAN		Yerevan, AM Seattle, WA
		Yerevan, AM

hereby sell, assign, transfer and set over to

ASSIGNEE: VMware, Inc., a Delaware corporation, having a principal place of business at 3401 Hillview Avenue, Palo Alto, California 94304, U.S.A. (VMware), its successors, assigns and legal representatives,

my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

<u>X</u> U.S. Pa	atent Application executed on or a	bout the date of this Assignment,	
U.S. Pa	atent Application No.:	, filed on	
U.S. Pr	ovisional Application No.:	, filed on;	
Interna	tional Application No.: PCT/	, filed on	
and			
ENTITLED: A	METHODS AND SYSTEMS TO DISTRIBUTED COMPUTING	O DETECT AND CLASSIFY CHA	ANGES IN
and identified	by Attorney Docket Number: Do	578	
_	nventor(s) as follows: S): <u>Ashot Nshan HARUTYUN</u>	'YAN, Amak POGHOSYAN, Naira N	Movses_

including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including any and all provisional, international, regional and foreign national applications) for said invention(s), including divisionals, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof—the foreign applications including, without limitation, all applications for patents, utility models and designs which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for the invention(s) in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

GRIGORYAN, Nicholas KUSHMERICK, and Harutyun BEYBUTYAN

ASSIGNMENT

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s); to claim all rights of priority without further authorization from me, which priority rights include rights derived from any United States application (provisional or otherwise) under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and to own in its own name all applications, all patents and inventor's certificates in all countries based on the invention(s).

I agree to execute any and all documents requested by ASSIGNEE, its successors, assigns, legal representatives, or nominees, at their reasonable expense, in connection with filing and prosecution of any and all United States and foreign applications (including international, regional, and foreign national applications), enforcement of all patents, and maintenance of all rights in the invention(s), patents, inventor's certificates and applications for patents or inventor's certificates based on any of the invention(s); and generally to do everything possible to aid ASSIGNEE, its successors, assigns, legal representatives, and nominees, at their request and reasonable expense, in obtaining, enforcing, and maintaining patents and inventor's certificates for said invention(s) in all countries. In particular, I agree to provide to ASSIGNEE, its successors, assigns, legal representatives, or nominees, at their request and at their reasonable expense, all information known to or ascertainable by me and all documents and other materials and objects pertaining to the invention(s) that are in the possession of or accessible to me; and further, at any trial, hearing, deposition or other legal proceeding where I am called as a witness by ASSIGNEE, its successors, assigns, legal representatives, or nominee, I agree to testify to all facts pertaining to the invention(s) for which I am competent to testify.

I hereby covenant that I have full right to convey the entire interest that is being assigned by this Assignment, and that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

I authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue any U.S. Letters Patent or any other patent or property right that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on _	May	25 26)/ / , by _	- Hours	5
Date	0			Ashot Nshan HARUT	TYAN

Executed on May 25, 20/7, by Arnak POGHOSYAN

Executed on _	May Date	25	201	/, by .	Naira Movses & RIGORYAN	
Executed on _	Date			, by	Nicholas KUSHMERICK	
Executed on _	May Date	25.	ìC11	, by	Harutyun BEYBUTYAN	

ASSIGNMENT

Executed on	, by	
Date		Naira Movses GRIGORYAN
Executed on 26 May 2017	, by	Micholas KUSHMERICK
Executed on	, by	Harutyun BEYBUTYAN